





Fig. 2

Physical Properties		Chemical Properties		Mechanical Properties		Thermal Properties		Electrical Properties		Optical Properties	
Property	Value	Property	Value	Property	Value	Property	Value	Property	Value	Property	Value
Density	1.25 g/cm ³	Refractive Index	1.50	Tensile Strength	100 MPa	Softening Point	150 °C	Volume Resistance	10 ¹² Ω·cm	Transmittance	85%
Viscosity	0.5 dL/g	Thermal Stability	200 °C	Elongation at Break	5%	Decomposition Temp	300 °C	Surface Resistance	10 ¹⁰ Ω	Absorbance	0.15
Crystallinity	5%	Flammability	UL-94 V-0	Modulus	2.5 GPa	Char Yield at 500 °C	40%	Dielectric Constant	3.5	Color	Colorless
Melting Point	120 °C	Biodegradability	Yes	Poisson's Ratio	0.3	Weight Loss at 500 °C	60%	Dielectric Loss	0.02	Fluorescence	None
Glass Transition Temp	80 °C	Water Absorption	0.5%	Impact Strength	5 kJ/m ²	Thermal Conductivity	0.2 W/m·K	Volume Resistivity	10 ¹⁴ Ω·cm	Quantum Yield	0.1
Thermal Expansion Coef	100 × 10 ⁻⁶ /°C	Acid Resistance	Good	Hardness	80 Shore D	Thermal Conductivity	0.2 W/m·K	Surface Resistivity	10 ¹¹ Ω	Photostability	Good
Thermal Shrinkage	5%	Alkali Resistance	Good	Compression Modulus	1.5 GPa	Thermal Conductivity	0.2 W/m·K	Volume Resistivity	10 ¹⁴ Ω·cm	Photostability	Good
Thermal Stability	200 °C	UV Resistance	Good	Flexural Strength	150 MPa	Thermal Conductivity	0.2 W/m·K	Surface Resistivity	10 ¹¹ Ω	Photostability	Good
Thermal Stability	200 °C	UV Resistance	Good	Flexural Modulus	2.0 GPa	Thermal Conductivity	0.2 W/m·K	Volume Resistivity	10 ¹⁴ Ω·cm	Photostability	Good
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